

CHD5/CCP1 FISH Probe Kit

Introduction

The CHD5/CCP1 FISH Probe Kit is designed to detect the human *CHD5* gene located on chromosome band 1p36.31, along with the number of chromosome 1 copies per cell. Abnormal expression of the *CHD5* gene – also named *CHD-5* – has been observed in neuroblastoma and gliomas, melanoma, and numerous other solid tumor types.

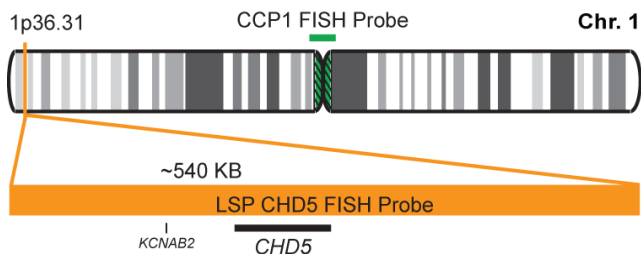
Intended Use

To measure the copy number of the human *CHD5* gene located on chromosome band 1p36.31.

Cont.	Color
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LSP CHD5 FISH Probe CCP1 FISH Probe	CytoOrange CytoGreen
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Probe Design



LSP CHD5 FISH Probe covers a chromosomal region which includes the entire *CHD5* gene. CCP1 FISH Probe, derived from chromosome 1-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 1 copies per cell.

Not to Scale

Cat. No.	Volume
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CT-PAC049-10-OG	10 Tests (100 µL)
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Signal Pattern Interpretation

Normal Pattern	Abnormal Pattern
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20 + 2G	Other Patterns
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- 1) Thompson PM, et al. *Oncogene*. 22(7):1002-11 (2003).
- 2) Fujita T, et al. *J Natl Cancer Inst*. 100(13):940-9 (2008).
- 3) Robbins CM, et al. *Genome Res*. 21(1):47-55 (2011).
- 4) Wong RR, et al. *Gynecol Obstet Invest*. 72(3):203-7 (2011).
- 5) Koyama H, et al. *Clin Cancer Res*. 18(6):1588-97 (2012).



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* CE IVD only available in certain countries. All other countries are either ASR or RUO. Please contact your local dealer or our headquarters for more information.

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